Marcel Hofmann

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EDUCATION

University of applied sciences Munich — München, Germany
Bachelor of Science in Business Informatics; current GPA: 1.4 — *2020 – 2024*

University of Halmstad — Halmstad, Sweden
ERASMUS Semester Abroad — *2023*

Josef Effner-Gymnasium Dachau — Dachau, Germany
A-Levels (Abitur); GPA: 1.8 — *2012-2020*

EXPERIENCE

Codestryke — München, Germany
Full Stack Engineer — *2022 - present*

- **Lead Backend Developer for an insurance based IoT-Platform**: Responsibility for highly scalable IoT data ingestion, preprocessing and analysis. Developing a rule engine for real-time event generation and alerting. Automated E2E and load testing using Azure DevOps Pipelines. Deployment on Azure using k8s and Azure Functions. (MQTT, REST, GraphQl, Node, Typescript)
- **Lead Full Stack Developer for an IoT-Monitoring Dashboard**: Real-time monitoring and timeseries data analysis. Deployment on Mindsphere (Siemens IoT-Platform) and AWS using Lambdas. (GraphQl, REST, Node, Typescript, React)

Siemens Health Insurance — München, Germany
Working Student Project Management — *2021 - 2022*

- **Project Management App and Web**: UI and UX research. Testing. Coordination of projects.

PROJECTS

- **Raspberry Pi Pico W - CO2 Sensor (ongoing)**: Real-Time Data collection using a C02 sensor and displaying it with an OLED-Display. Developed in C using FreeRTOS. (I2C, MQTT)
- **PIOS - Simple OS for the Raspberry Pi 4b (ongoing)**: Simple Operating System from scratch. Implementing user interfaces with UART and bluetooth. (C, ASM)
- **TCP / UDP Chat Messenger**: University Project. Scalable End-2-End communication with TCP/IP or UDP/IP. (Java)
- **FOREX trading bot**: Automated python trading bot. (Python)

PROGRAMMING SKILLS

- **Languages**: Typescript, Javascript, C, C++, C#, Java, Python

- **Technologies**: AWS, Azure, Node, React, Kubernetes